

**US EPA-States Technical Peer Consultation Meeting on  
Well File Review Analysis  
July 15, 2014**

Oklahoma Conference Room, 12<sup>th</sup> floor  
EPA Region 6 Regional Office  
Fountain Place Building, 1445 Ross Avenue  
Dallas, TX 75202

**Objectives:**

- Provide an overview of the EPA's hydraulic fracturing drinking water assessment report, context for the Well File Review analysis, and focus of the assessment related to well design, construction, completion, fracturing and operations
- Share information about the Well File Review approach and preliminary observations from completed analyses
- Seek state responses and insights regarding the preliminary observations from the Well File Review

*--- Discussion is encouraged throughout the day, in addition to Session 4 in the afternoon. ---*

***Agenda***

7:30 am

**Registration**

8:00 am

**Welcome and Introductions**

*Ron Curry, Regional Administrator, US EPA Region 6*

*Lek Kadeli, Acting Assistant Administrator, US EPA Office of Research and Development*

**Meeting Purpose**

*Ramona Trovato, Acting Principal Deputy Assistant Administrator, US EPA Office of Research and Development*

**Meeting Ground Rules and Logistics**

*José Zambrana (facilitator)*

**Overview: EPA's Hydraulic Fracturing Drinking Water Study**

*Jeanne Briskin, Hydraulic Fracturing Research Coordinator*

**Introduction to EPA's Hydraulic Fracturing Drinking Water Assessment**

*Jeff Frithsen, Assessment Coordinator*

~9:30 am	<p><b>WFR Session 1: Introduction to Well File Review – Technical Approach</b>  <i>Jeanne Briskin and Susan Burden, Well File Review Team</i></p> <ul style="list-style-type: none"> <li>What kinds of wells use hydraulic fracturing for oil and gas production in your state? Characteristics to consider include: stimulated lithologies, production types, age, orientation, and total depth.</li> </ul> <p><b>WFR Session 2: Preliminary Observations – Casing and Cement, Relationship to Ground Water Resources</b>  <i>Nathan Wiser and Susan Burden, Well File Review Team</i></p> <ul style="list-style-type: none"> <li>By geology and play, what well designs do you consider to be protective of water resources?</li> </ul>
11:30 am	<p><b>Working Lunch</b>  Break to pick up lunch from the Au Bon Pain on 5<sup>th</sup> floor of building and return to the conference room to continue our discussions</p>
12:15 pm	<p><b>WFR Session 2: Preliminary Observations – Casing and Cement, Relationship to Ground Water Resources</b> <i>(continued)</i></p>
1:00 pm	<p><b>Session 3: Assessment Report – Revisited</b>  <i>Jeff Frithsen, Assessment Coordinator</i></p> <ul style="list-style-type: none"> <li>Role of the Well File Review in the assessment report</li> <li>Additional topics expected to be addressed in the assessment report <ul style="list-style-type: none"> <li>How do you evaluate the area around the production well? What artificial (e.g., offset wells, mines) or geologic features (e.g., faults) are identified?</li> <li>What well densities/well spacing requirements are in place? How are the requirements determined?</li> <li>How do you evaluate fracture growth?</li> <li>What is your experience with well-to-well communication (e.g., numbers, frequency, circumstances, outcomes)?</li> </ul> </li> <li>Expected organization of assessment report</li> <li>Anticipated next steps concerning schedule and peer review</li> </ul> <p>Break</p>
2:00 pm	<p><b>Session 4: State/EPA Open Discussion</b></p> <ul style="list-style-type: none"> <li>Input and open discussion from state representatives</li> </ul>
3:45 pm	<p><b>Meeting Wrap-Up</b>  <i>Ramona Trovato, Acting Principal Deputy Assistant Administrator, US EPA Office of Research and Development</i></p>
4:00 pm	<p><b>Adjourn</b></p>